UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 6,817,377 B1 APPLICATION NO. : 09/505580

: November 16, 2004

INVENTOR(S) : Reimer et al.

DATED

It is certified that error appears in the above-identified patent and that said Letters Patent is

Page 1 of 2

hereby corrected as shown below:

Title Page,

Item [75], Inventors: Change "Paul Reimer" to --Peter Reimer--

Column 1, Line 61: Change "vacuum-pumps" to --vacuum pumps--

Column 2, Lines 27-28: Change "conventional" to --conventionally--

Column 3, Line 35: Change "throughout" to --throughput--

Column 4, line 44: Before "integrated", change "a" to --an--

Column 7, Line 27: Change "10-2" to --10-2--

Column 7, Line 36: Change "additional" to --addition--

Column 8, Line 28: Change "Its" to --l/s--

Column 8, Line 49: Change "94" to "194"

Column 9, Line 14: Delete the comma after "the"

Column 9, Line 22: Change "65a" to --65a-c--

Table 1: Move "FORELINE" from the secondary heading of the last column to the primary heading of the last column

Table 1: Insert --Piping-- before "losses" in the secondary heading of the last column

Table 1, Column 5, Line 2: Change "3S" to --38--

Table 1, Column 3, Line 4: Change "SO: to --80--

Table 1, Column 3, Line 7: Change "300" to --100--

Column 10, Line 18: After "rather", change "that" to --than--

Column 11, Lines 21 and 28: Change each instance of "10" to --110--

Column 11, Line 32: Change "ml/s2" to --m/s2--

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 13, Line 30: Change "pump" to --Pump--

Column 15, Line 32: Change "PT" to --P1--

Column 15, Line 62: Delete "51"

Column 16, Line 9: Insert a period after "155"

Column 16, Line 33: Delete "id"

Column 18, Line 53: Change "370a,b" to --70a,b--

Column 19, Line 42: Delete "includes"

Column 19, Line 53: After "wherein", delete "each"

This certificate supersedes Certificate of Correction issued August 15, 2006.

Signed and Sealed this

Second Day of January, 2007

JON W. DUDAS Director of the United States Patent and Trademark Office